

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING

ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____

Source: _____

Date Processed by STIC: _____

10/612, 832 B
JFW16
11/18/2005

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/6/2,832 B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | | |
|----|------|------------------------------------|---|
| 1 | ____ | Wrapped Nucleics
Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | ____ | Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. |
| 3 | ____ | Misaligned Amino
Numbering | The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead. |
| 4 | ____ | Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text . |
| 5 | ____ | Variable Length | Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | ____ | PatentIn 2.0
"bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 7 | ____ | Skipped Sequences
(OLD RULES) | Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8 | ____ | Skipped Sequences
(NEW RULES) | Sequence(s) ____ missing. If intentional , please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 9 | ____ | Use of n's or Xaa's
(NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents. |
| 10 | ____ | Invalid <213>
Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence |
| 11 | ____ | Use of <220> | Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | ____ | PatentIn 2.0
"bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |
| 13 | ____ | Misuse of n/Xaa | "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid |



IFW16

RAW SEQUENCE LISTING

DATE: 11/18/2005

PATENT APPLICATION: US/10/612,832B

TIME: 10:35:40

Input Set : A:\2ndSUB086035US.ST25.txt

Output Set: N:\CRF4\11182005\J612832B.raw

3 <110> APPLICANT: Stein, Harald
 4 Duerkop, Horst
 7 <120> TITLE OF INVENTION: Agent for Use in Diagnostics and Therapy
 9 <130> FILE REFERENCE: PA34271USFZ
 11 <140> CURRENT APPLICATION NUMBER: US 10/612,832B
 12 <141> CURRENT FILING DATE: 2003-07-01
 14 <150> PRIOR APPLICATION NUMBER: DE 10229475.5
 15 <151> PRIOR FILING DATE: 2002-07-01
 17 <150> PRIOR APPLICATION NUMBER: DE 10230909.4
 18 <151> PRIOR FILING DATE: 2002-07-09
 20 <160> NUMBER OF SEQ ID NOS: 13
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 17
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial
 29 <220> FEATURE:
 30 <221> NAME/KEY: misc_feature
 31 <223> OTHER INFORMATION: Primer A-C(K)
 34 <400> SEQUENCE: 1
 35 agatggatac agttggt 17
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 17
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Artificial
 43 <220> FEATURE:
 44 <221> NAME/KEY: misc_feature
 45 <223> OTHER INFORMATION: Primer A-C(H)1
 48 <400> SEQUENCE: 2
 49 ggggccagtg gatagac 17
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 15
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial
 57 <220> FEATURE:
 58 <221> NAME/KEY: misc_feature
 59 <223> OTHER INFORMATION: Primer B(NotI)
 62 <400> SEQUENCE: 3
 63 gcgcggccgc ggagg 15
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 29
 68 <212> TYPE: DNA
 69 <213> ORGANISM: Artificial

Does Not Comply
Corrected Diskette Needed
(pg-3)

RAW SEQUENCE LISTING

DATE: 11/18/2005

PATENT APPLICATION: US/10/612,832B

TIME: 10:35:40

Input Set : A:\2ndSUB086035US.ST25.txt

Output Set: N:\CRF4\11182005\J612832B.raw

```

71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <223> OTHER INFORMATION: Primer C(NotI)
76 <400> SEQUENCE: 4
77 gcgcggccgc ggaggccccc cccccccc 29
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 25
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <223> OTHER INFORMATION: Primer D-C(K EcoRI)
90 <400> SEQUENCE: 5
91 ggaattcgga tacagttggt gcagc 25
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 24
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <223> OTHER INFORMATION: Primer D-C(H | EcoRI)
104 <400> SEQUENCE: 6
105 ggaattcgtg gatagacaga tggg 24
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 35
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial
113 <220> FEATURE:
114 <221> NAME/KEY: misc_feature
115 <223> OTHER INFORMATION: Primer E-(K SalI)
118 <400> SEQUENCE: 7
119 gatcgtcgac ggaaatgcat cagaccagca tgggc 35
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 35
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <223> OTHER INFORMATION: Primer E-(H SalI)
132 <400> SEQUENCE: 8
133 catagtgcac aatacgatca gcatactctc cacag 35
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 35
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <221> NAME/KEY: misc_feature
143 <223> OTHER INFORMATION: Primer F(K NotI)
146 <400> SEQUENCE: 9

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RAW SEQUENCE LISTING

DATE: 11/18/2005

PATENT APPLICATION: US/10/612,832B

TIME: 10:35:40

Input Set : A:\2ndSUB086035US.ST25.txt

Output Set: N:\CRF4\11182005\J612832B.raw

147 atcagcggcc gcacttaaca aggttagact tagtg 35
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 38
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <223> OTHER INFORMATION: Primer F- (H NotI)
160 <400> SEQUENCE: 10
161 gatagcggcc gcatgcattt agaatgggag aagttagg
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 13
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <223> OTHER INFORMATION: Spot 16
174 <400> SEQUENCE: 11
176 Asp Cys Arg Lys Gln Cys Glu Pro Asp Tyr Tyr Leu Asp
177 1 5 10
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 13
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <223> OTHER INFORMATION: Spot 74
190 <400> SEQUENCE: 12
192 Gly Asp Cys Arg Lys Gln Cys Glu Pro Asp Tyr Tyr Leu
193 1 5 10
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 5
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <223> OTHER INFORMATION: Peptide core sequence
206 <400> SEQUENCE: 13
208 Cys Glu Pro Asp Tyr
209 1 5

OK

OK

Invalid Response.
P/S Explain the Source
of Genetic Material.
See Item # 11 on
Error Summary
Sheet.

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/18/2005
PATENT APPLICATION: US/10/612,832B TIME: 10:35:41

Input Set : A:\2ndSUB086035US.ST25.txt
Output Set: N:\CRF4\11182005\J612832B.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13

VERIFICATION SUMMARY

DATE: 11/18/2005

PATENT APPLICATION: US/10/612,832B

TIME: 10:35:41

Input Set : A:\2ndSUB086035US.ST25.txt

Output Set: N:\CRF4\11182005\J612832B.raw